

PATENT ABSTRACTS OF JAPAN

(11) Publication number : **08-245697**

(43) Date of publication of application : **24.09.1996**

(51) Int.CI.

C07K 14/705
C07H 21/04
C07K 14/725
C12N 15/09
C12P 21/02
G01N 33/566
// A61K 39/395
A61K 48/00

(21) Application number : **07-057187**

(22) Date of filing : **16.03.1995**

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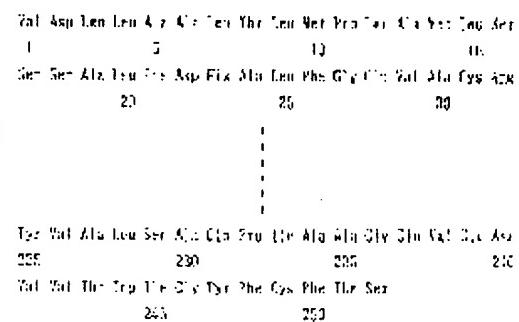
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(54) NOVEL G PROTEIN-CONJUGATED RECEPTOR PROTEIN, ITS PRODUCTION AND USE

(57) Abstract:

PURPOSE: To obtain the subject new safe protein having a specific amino acid sequence, originated from the smooth muscle of a rabbit stomach pylori part, having a G protein-conjugated receptor activity, and useful as a medicine for preventing and treating a G protein-conjugated receptor protein deficiency, etc.

CONSTITUTION: A new G protein-conjugated receptor protein contains the same amino acid sequence as an amino acid sequence containing an amino acid sequence of the formula, is originated from the smooth muscle of a rabbit stomach pylori part, has a G protein-conjugated receptor activity, and is useful as an agent for clarifying the structure and property of the G protein-conjugated receptor, a medicine for preventing and treating a G protein-conjugated receptor protein deficiency, etc. The receptor protein is obtained by separating mRNA from the smooth muscle of the rabbit stomach pylori part by a conventional method, synthesizing a cDNA from the mRNA with negative transcriptase, cloning the synthesized cDNA as a template by a PCR method using a synthetic primer comprising a part of a gene, such as a man-originated galanin receptor, and expressing the obtained G protein-conjugated receptor gene in a host.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of
rejection]

[Date of extinction of right]

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New G protein conjugate receptor protein and related DNA - useful for screening for drugs to inhibit G protein-ligand binding

Patent Assignee: TAKEDA CHEM IND LTD

Patent Family

Patent Number	Kind	Date	Application Number	Kind	Date	Week	Type
JP 8245697	A	19960924	JP 9557187	A	19950316	199648	B

Priority Applications (Number Kind Date): JP 9557187 A (19950316)

Patent Details

Patent	Kind	Language	Page	Main IPC	Filing Notes
JP 8245697	A		25	C07K-014/705	

Abstract:

JP 8245697 A

A G protein conjugate receptor protein (I) having the 252 amino acid sequence given in the specification, or its salt, is new.

USE - The protein can be used for the development of new drugs.

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Dialog® File Number 351 Accession Number 10985308

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